

PATENT ABSTRACTS OF JAPAN

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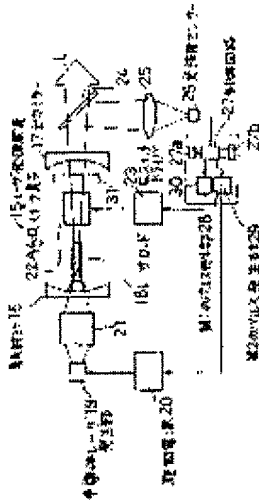
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(57)Abstract:

PURPOSE: To output a single wavelength light having high peak value of an output pulse stably in high efficiency by detecting a laser light output in such a manner that an exciting light intensity exceeds a threshold value, stopping the operation of a Q switch, and generating a giant pulse.

CONSTITUTION: An exciting light intensity is gradually increased by first pulse generating means 28 controlled by a control circuit 27 in a state that a Q switch 22 is driven to oscillate a single wavelength light and to output it from a resonator. This output light is detected by output detecting means 26, the switch 22 is stopped in cooperation with the detection of the output, and a giant pulse is generated. Thus, a single wavelength laser pulse light stable with high output can be oscillated in high efficiency.

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